

WHAT IS CLAIMED IS:

1. A gasket for a fuel battery characterized in that gaskets (8, 9) are provided on both surfaces of a print circuit (12) for taking out an electric signal within a cell or a module.
2. A gasket for a fuel battery as claimed in claim 1, characterized in that the print circuit (12) is a flexible print circuit.
3. A gasket for a fuel battery for sealing between a pair of separators (1, 2), characterized in that a detecting portion (11) for detecting a voltage or a current of a cell or a module by being electrically connected to the separator (1) and/or the separator (2) in a state of combining a plurality of cells or modules so as to form a stack is integrally assembled.
4. A gasket for a fuel battery as claimed in claim 3, characterized in that the gasket has a substrate (7) mounted to an electrolyte membrane (4) of a reaction electrode portion (3), a flexible print circuit (12) lapped over said substrate (7), an electrode (13, 13a, 13b) provided in the flexible print circuit (12) and being in contact with the separator (1, 2), and a gasket (8, 9) fixed to the substrate (7) and holding the flexible print circuit (12) between the gasket and the substrate (7).
5. A gasket for a fuel battery characterized in that

a detecting portion (17) having a function of taking out an output of a gas sensor (14) build in a cell or a module is integrally assembled.

6. A gasket for a fuel battery characterized in that a detecting portion (22) having a function of taking out an output of a temperature sensor (20) build in a cell or a module is integrally assembled.

7. A gasket for a fuel battery characterized in that a signal line (38) for taking out an electric signal within a cell or a module is integrally formed with a gasket substrate (35) in accordance with a printing method or an etching method, and a gasket (36) is integrally formed with the substrate (35).

8. A gasket for a fuel battery as claimed in claim 7, characterized in that the signal line (38) takes out an electric signal of a current application diagnosis, a temperature, a gas or the like.

9. A gasket for a fuel battery as claimed in claim 7, characterized in that gaskets (36A, 36B) is formed in a double structure, the signal line (38) is arranged between the gaskets (36A, 36B), and an electrode (40) is arranged there.

10. A gasket for a fuel battery as claimed in any one of claims 1 to 9, characterized in that a front surface (38) of a circuit formed in the substrate is coated by a protecting member constituted by an insulating

membrane.

10045637 1022502